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09/986,555 11/09/2001 Fernando Ortega Rodriguez Q66984 5908

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EXAMINER

SHEPARD, JUSTIN E

ART UNIT PAPER NUMBER

2617

DATE MAILED: 02/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

DETAILED ACTION

Drawings

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "whole multiple" described in claims 1 and 5 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

Claims 3 and 4 are objected to because of the following informalities: The claims begin describing a multiplexer when the invention is a system that contains a multiplexer. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Schiff.

Referring to claim 1, Schiff discloses an integrated multispot satellite communication system in a multimedia broadcasting network with return channel (column 2, lines 56-59) characterized in that it comprises common means of burst synchronization (column 7, lines 18-23) such that the transmission rate in a downlink direction from the satellite is a whole multiple of a clock reference of said network (column 4, lines 65-67; figure 5; Note: The I Frame shown in figure 5 is interpreted as being the period of the downlink transmission. With this information one can see that 3 sets of information are sent within the downlink period. As the applicant has noted the transfer rate is equal to the amount of data sent divided by the period ($Nd/Tdf = Rtd$). Therefore the rate would be equal, in this case, to 3 times the frequency (where frequency is equal to $1/Tdf$)).

Referring to claim 2, Schiff discloses a system according to claim 1, characterized in that it includes a satellite suitable for generating said network clock reference (column 5, lines 27-31).

Referring to claim 3, Schiff discloses a multiplexer for including in the satellite of claim 2 (figure 3).

Referring to claim 4, Schiff discloses a multiplexer according to claim 3, characterized in that it is suitable for fitting in a synchronous manner different uplink channels into a downlink signal (column 4, lines 19-25), in such a manner that a period of the downlink frame (column 3, lines 55-58; Note: frame and period are viewed as being interchangeable) is equal to a period of the uplink frame (column 3, lines 1-5).

Referring to claim 5, Schiff discloses a method of burst synchronization in an integrated multispot satellite communication system in a multimedia broadcasting network with return channel (column 2, lines 56-59) characterized in that said synchronization (column 7, lines 18-23) is common for a multimedia services provider and a user, in such a manner that the transmission rate in a downlink direction is a whole multiple of a network clock reference (column 4, lines 65-67; figure 5).

Referring to claim 6, Schiff discloses a Method according to claim 5, characterized in that it comprises the generation of said network clock reference in a satellite of said system (column 5, lines 27-31).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Rector; U.S. Patent Number 6,301,308; System and Method for High Speed Data Transmission.

Kim; U.S. Patent Number 6,801,711; Method and Apparatus for Creating and Recording Management Information for Digital Data Streams.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Justin E. Shepard whose telephone number is (571) 272-5967. The examiner can normally be reached on 7:30-5 M-F.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Kelley can be reached on (571) 272-7331. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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